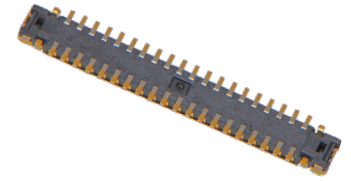


SlimStack Board-to-Board Connector, 0.35mm-Pitch, 0.60mm-Height, Full-Armor ACB6 Plus Series >



SlimStack Board-to-Board Connectors, 0.35mm-Pitch, 0.60mm-Height, Full-Armor ACB6 Plus Series, deliver excellent performance with up to 5.0A power-nail, full-armor housing protection, together with mating guidance and electrical contact assurance, for superior reliability in challenging applications.

FEATURES AND ADVANTAGES

Power nail structure enables power delivery up to 5.0A

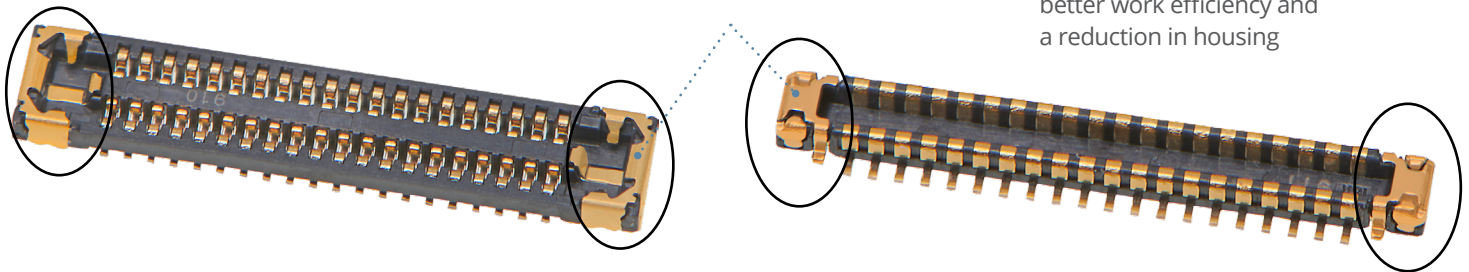
Meets customers' requirements for high power in a compact package

Full armor design that wraps connector from inside and outside

Helps prevent housing damage during assembly

Wide alignment area

Provides easy mating for better work efficiency and a reduction in housing



SlimStack 0.35mm-Pitch B-to-B Connectors, 0.60mm Height, Full Armor Type, ACB6 Plus Series

Contact area separated from solder area; terminal and nail are separated with a Nickel barrier

Prevents solder wicking and interference. Delivers reliable connection

Signal contact point

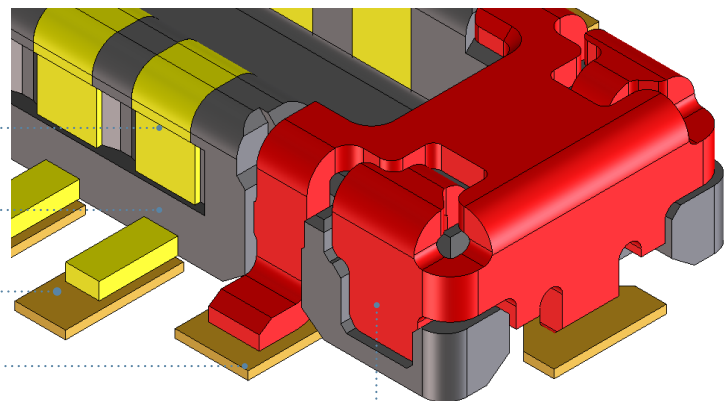
Mold to help prevent solder wicking

Signal solder area

Nail solder area

Nail contact point

Two separate areas prevent solder wicking

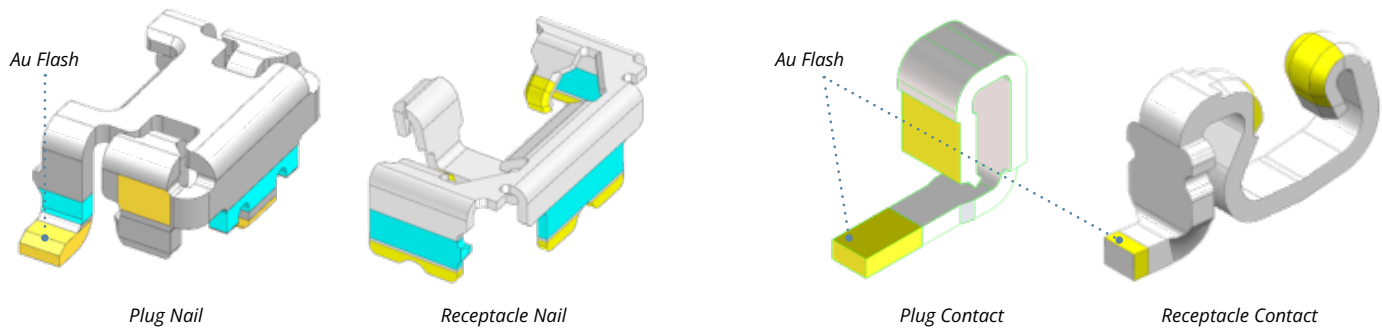


SlimStack Board-to-Board Connector, 0.35mm-Pitch, 0.60mm-Height, Full-Armor ACB6 Plus Series >

FEATURES AND ADVANTAGES

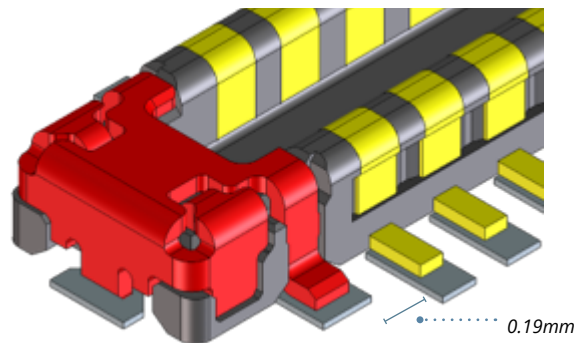
Gold flash on the top surface of plug nail and contact terminal

Helps prevent solder wicking and interference



Distance between nail and signal contact

Helps prevent short circuits



MARKETS AND APPLICATIONS

Consumer

Smartphones
Tablet PCs
Wearable devices
Portable audio equipment
Portable navigation equipment
IoT and smart home devices
AR/VR devices
5G and RF devices
Drones

Medical Devices

Patient monitoring devices
Therapeutic and surgical equipment

Defense

Unmanned vehicles
Aircraft avionics



Smartphone



Drones



Patient Monitoring

SlimStack Board-to-Board Connector, 0.35mm-Pitch, 0.60mm-Height, Full-Armor ACB6 Plus Series >

SPECIFICATIONS

Reference Information

Packaging: Embossed tape with cover
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes

Electrical

Voltage (max.): 60V
Current (max.): 0.3A/pin for terminal
5.0A for power nail
Contact Resistance:
Signal Contact: 80 milliohms
Nail Contact:
15 milliohms
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance: 100 Megohms

Mechanical

Pitch: 0.35mm
Mated Height: 0.60mm
Width (Receptacle): 1.90mm
Length (Receptacle):
Total pitch + 2.80mm
Robustness (interior cover): yes
Number of Contacts: dual contacts
Alignment: 0.33mm for pitch and span
Circuit Sizes: 10 to 60

Physical

Insertion force (max.):
45N for 10 to 50P
60N for 52 to 60P
Withdrawal force (min.) 0.25N/pin for each circuit
Temperature Rise (max.) : 30°C
Temperature Rise Range: -40 to 85°C

www.molex.com/link/slimstack.html